

US-200

USB Audio/MIDI Interface (2 in / 4 out)



The US-200 is a USB 2.0 Audio/MIDI interface with two inputs and four outputs for Mac and Windows computers, housed in a lightweight, portable chassis. Audio can be recorded at up to 96-kHz/24-bit resolution and the two high-quality XLR microphone inputs provide phantom power for condenser microphones. Four unbalanced RCA outputs are available on the rear panel, as well as a MIDI input and output for controlling synths and drum machines. A direct monitoring path allows to listen to the input signal without the delay introduced by computer software.

The US-200 is powered by the USB bus, meaning no additional power supply is required. It comes with a copy of Cubase LE 5 – the latest version of Steinberg's 48-track workstation software. VST plug-in support, automated mixing and MIDI tracks allow you to craft large productions. If you want to use your own software, the US-200 supports most Mac and Windows audio applications such as Logic Pro, Live, Nuendo, Digital Performer, Fruity Loops, Pro Tools 9 and more.

Main Features

- Provides 2 analogue audio inputs, 4 analogue audio outputs and one MIDI input/output for a Windows or Mac computer
- Ideal for high-quality computer audio applications or mobile recording
- Full 24-bit/96-kHz recording without reduction of inputs/outputs
- Zero-latency analogue direct monitoring
- High-quality microphone preamps with switchable phantom power
- XLR/TRS combo connectors (balanced) on each analogue input
- One input switchable to instrument level for direct connection of a guitar or bass
- Line inputs switchable to mono
- Signal and overload indicators on each input channel
- RCA connectors (unbalanced) on each analogue output
- Level control for headphones and line output
- Monitor mix level control for headphones and line output
- USB 2.0 equipped
- USB-powered, no AC adapter required
- Cubase LE 5 included

Specifications

AD/DA audio converters	
Sample rate	44.1/48/88.2/96 kHz
Quantization	24-bit

Analogue audio inputs and outputs	
Microphone inputs (MIC IN 1-2, balanced)	XLR-3-31
Input impedance	2.2 k Ω
Nominal input level	-14 dBu (0.15 Vrms)
Minimum input level	-57 dBu (0.001 Vrms)
Maximum input level	+2 dBu (0.98 Vrms)
Line inputs (LINE IN 1-2, balanced)	6.3-mm TRS jack
Input impedance	15 k Ω

Nominal input level	+4 dBu (1.23 Vrms)
Minimum input level	-39 dBu (0.008 Vrms)
Maximum input level	+20 dBu (7.75 Vrms)
Instrument input (INST IN 1, unbalanced)	6.3-mm jack
Input impedance	1 M Ω
Nominal input level	-13 dBV (0.22 Vrms)
Minimum input level	-56 dBV (0.001 Vrms)
Maximum input level	+3 dBV (1.41 Vrms)
Line outputs (LINE OUT 1-4, unbalanced)	RCA
Output impedance	200 Ω
Nominal output level	-10 dBV (0.316 Vrms)
Maximum output level	+6 dBV (2 Vrms)
Headphones output (PHONES)	6.3-mm (1/4") stereo phone jack
Maximum output power	18 mW + 18 mW (1 kHz, THD 0.1 %, 32 Ω)

Other inputs and outputs

MIDI input (MIDI IN)	5-pin DIN connector
Format	Standard MIDI format
MIDI output (MIDI OUT)	5-pin DIN connector
Format	Standard MIDI format
USB	4-pin USB type B
Format	USB2.0 High speed (480 Mbit/s)

Audio performance

Frequency response	20 Hz-20 kHz +0.5/-1.0 dB (44.1/48 kHz, JEITA) 20 Hz-40 kHz +0.5/-1.5 dB (88.2/96 kHz, JEITA)
Signal-to-noise ratio	\geq 98 dB (LINE IN to LINE OUT with Gain knobs at minimum, 44.1 kHz, JEITA)
Total harmonic distortion	\leq 0.0045 % (LINE IN to LINE OUT with Gain knobs at minimum, JEITA)

System requirements

Windows	
Operating systems	Windows XP, 32 bit, SP3 or later Windows XP, 64 bit, SP2 or later Windows Vista, 32 bit or 64 bit, SP2 or later Windows 7, 32 bit or 64 bit
Computer systems	Windows compatible computer with a USB 2.0 port
CPU/clock	Pentium 4, 1 GHz or faster AMD Athlon, 1 GHz or faster or equivalent processor
Memory	1 GB or more
Protocols	ASIO 2, WDM (MME)
Mac	
Supported operating systems	Mac OS X 10.5.8 or later Mac OS X 10.6.3 or later
Supported computer systems	Apple Mac series equipped with a USB port as standard equipment
CPU/clock	Intel processor or PowerPC G4, 1 GHz or faster
Memory	1 GB or more
Protocols	CoreAudio, CoreMIDI

Power requirements and other specifications

Power supply	Via USB (5 V, max. 500 mA)
Power consumption	2 W
External dimensions (W x H x D)	172 mm x 41 mm x 151 mm (without projections) 172 mm x 44 mm x 165 mm (with projections)
Weight	0.48 kg
Operating temperature range	5-35 $^{\circ}$ C
Bundled software	Cubase LE 5 (for Windows or Mac OS X)

Design and specifications subject to change without notice.

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